

Modification No. 001

To

MEMORANDUM OF AGREEMENT (MOA)  
Between the  
Federal Aviation Administration (FAA)  
and the  
National Aeronautics and Space Administration (NASA)  
Concerning  
Support of FAA R&D Field Offices  
at  
NASA Research Centers

I. Purpose

The purpose of this modification to MOA FNA/05-97-01 is to:

- a. Extend the period of performance to December 31, 2007;
- b. Assign different individuals as Technical Representatives to this Agreement due to workforce changes within either/or both agencies; and
- c. Update and add additional terms and conditions to the Agreement.

II. Refer to Section II, "Background." Replace with the following paragraphs:

FAA Field Offices were established at NASA in 1971 to provide the means for conducting research of interest to the FAA that required the use of specialized facilities available at NASA Centers. It was mutually recognized that NASA operated unique national research facilities at its Ames, Langley, Glenn, and Dryden Flight Research Centers that could provide considerable resources and expertise unavailable within the FAA. Congress noted that the shared use of resources and facilities would achieve substantial economies and promote efficiency in the continuing research and development activities of each agency by not requiring duplication of costly facilities, equipment, and other resources.

Since their inception, the scope of the Field Offices has been further expanded to provide: (1) technical and administrative coordination and support for numerous collaborative and cooperative research projects conducted at the NASA Centers; (2) the means for participation in and conduct of both joint and individual agency research activities; and (3) the means to identify and facilitate the transfer of significant NASA research and technology to support FAA requirements and the operational needs of the National Airspace System (NAS). The Field Office at Langley also supports coordination of FAA activities at the Glenn Research Center and emerging commercial spaceport infrastructure development at the Kennedy Space Center. The Field Office at Ames also supports coordination of FAA activities at the Dryden Flight Research Center.

Over the years, the Field Offices have been able, through their coordination efforts, to facilitate the accomplishment of a significant number of research activities that have been critical to the FAA. This is due, in part, to the effectiveness of on-going working relationships between Field Office employees and NASA personnel which enable delicate interagency issues to be resolved efficiently. In addition, the Field Offices have participated in and conducted specified FAA research and developmental projects using NASA facilities and resources. The offices work closely with NASA personnel on cooperative projects, interacting in several modes to support FAA needs: (1) by providing on-site support to FAA employees who participate in research projects jointly with NASA researchers; (2) by assisting NASA in working with appropriate FAA personnel to develop and deploy NASA-sponsored NAS technologies; (3) by directly contributing resources and support to established NASA research projects on behalf of the FAA; and (4) in cases where there are no established NASA research programs pertaining to the effort needed, perform as principal investigator, as mutually agreed with NASA, on FAA research utilizing unique NASA facilities and other NASA resources. Participation by Field Office and off-site FAA personnel will vary from general monitoring of research being conducted at the NASA Centers to active involvement in jointly conducted or individual research programs and experiments, depending upon the nature of the research and the expertise of the office staff and other assigned personnel.

The major areas of FAA/NASA cooperative and collaborative research are outlined and described in Memoranda of Understanding (MOUs) established between the agencies and signed by the Administrators of both agencies. Specific research activities or programs are performed under the auspices of various MOAs, which specify the responsibilities and resource allocation of each agency for the activity undertaken. MOAs specify the cooperative activities under the sanction of one or more of the MOUs. MOAs are negotiated and written by personnel from both agencies, who are responsible for the specific research program or activity. Once the statement of work has been negotiated and specified in the MOA, funding transfers, if specified in the agreement, are transferred between agencies through the appropriate procurement policies and practices of each agency's contracting office. The MOU/MOA process has been adopted and approved by the NASA/FAA Executive Committee and is used by both agencies to formalize responsibilities and commitments between agencies, to track programs through the system, and to advocate and show cooperation of activities to Congress and other government entities.

III. Refer to Section III, "Objective and Scope." Replace second paragraph with the following:

Use of this Agreement for support of activities other than Field Office operations will generally be limited to the following and require a separate statement of work defining purpose, background, task description, deliverables, period of performance, funding, and points of contact within both agencies:

- a. Initiation of tasks not large enough to require a separate MOA;
- b. Initiation of tasks requiring immediate action for which a separate MOA will be written as soon as possible thereafter to formalize the cooperative relationship;
- c. Congressionally mandated tasks that require immediate action; and

- d. Other activities that must be conducted on a rapid turnaround basis in order to be responsive to FAA operational concerns and flight safety issues.

Also included are activities that cut across research disciplines, e.g. cooperative activities using established FAA Centers of Excellence (COE) or other similar enterprise. Where this support involves reimbursables, transfer of funds between the FAA and NASA will be governed by appropriate procedures and policies as set forth in both federal acquisition and individual agency regulations, incorporating FAA and NASA accounting and appropriation codes. Documentation for transfer of funds, approved through this or any other MOA, shall reference the appropriate MOA for the cooperative activity being funded. Approval for the cooperative activities and projects will follow established FAA and NASA procedures.

- IV. Refer to Section IV “Statement of Work,” Paragraph A.2 “Interagency Operational Provisos.” Replace Paragraph (1) with the following:

That the Ames Field Office will be responsible for supporting the coordination and conduct of FAA/NASA cooperative research activities performed at the NASA Dryden Flight Research Center. The Langley Field Office will be responsible for supporting the coordination and conduct of FAA/NASA cooperative research activities performed at the NASA Glenn Research Center and emerging commercial spaceport activities at the Kennedy Space Center. Both offices will further support FAA/NASA cooperative research activities associated with other FAA and NASA facilities in their area of concern.

- V. Refer to Section V, “Technical Representatives.” The individuals listed below are responsible for the oversight of this MOA:

- a. George C. Greene, Manager, FAA R&D Field Office (AAR-210),  
NASA Langley Research Center, Hampton, Virginia, Phone: (757) 864-1905, Fax:  
(757) 864-1908, E-mail: [g.c.greene@larc.nasa.gov](mailto:g.c.greene@larc.nasa.gov).
- b. Ruth M. Martin, Associate Director for Program Integration, NASA  
Langley Research Center, Hampton, Virginia, Phone: (757) 864-6114, Fax: (757)  
864-8915, E-mail: [r.m.martin@larc.nasa.gov](mailto:r.m.martin@larc.nasa.gov).
- c. Barry C. Scott remains a Technical Representative to this Agreement.
- d. John W. Boyd remains a Technical Representative to this Agreement.

- VI. Refer to Section VI, “Period of Performance.” As mutually agreed to by both parties, the period of performance of this MOA is extended from March 11, 2002, to December 31, 2007.

- VII. Refer to Section IX, “Authority.” Replace with the following:

- a. NASA

This Agreement is entered into by NASA pursuant to Section 203(c) of the National Aeronautics and Space Act of 1958, as amended, 42 U.S.C. § 2473(c).

b. DOT/FAA

This Agreement is entered into by FAA pursuant to Sections 226 and 227 of the FAA Reauthorization Act of 1996, 49 U.S.C. §106 (l)(6) and (m).

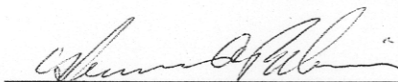
c. FAA/NASA Executive Committee

This cooperative activity is established under the agreement for cooperation between the FAA and NASA signed by the Administrators on October 9, 1998, entitled "A Partnership to Achieve Goals in Aviation and Future Space Transportation."

VIII. Except as provided herein, all terms and conditions of this MOA remain unchanged and in full force and effect.

**APPROVALS**

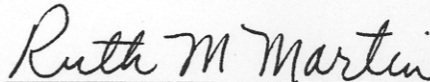
Department of Transportation  
Federal Aviation Administration



Dr. Herman A. Rediess  
Director, Aviation Research

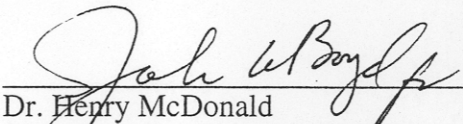
Date: 2-12-02

National Aeronautics and Space  
Administration



Ruth M. Martin  
Associate Director for Program Integration  
Langley Research Center

Date: FEB 11 2002



Dr. Henry McDonald  
Director, Ames Research Center

Date: 2/21/02